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**From:** Carroll, Craig  
**Sent:** Friday, September 01, 2017 10:27 AM  
**To:** Smalley, Bryant  
**Cc:** Mason, Steve; McAteer, Mike; Smith, Monica; R6HarveyRICT  
**Subject:** Fwd: From TX Dept of Ag: Salinity test kits or instrumentation request

See Sam's note below. Please fulfill this request today and include status in afternoon update.

Sent from my iPhone

Begin forwarded message:

**From:** "Coleman, Sam" <[Coleman.Sam@epa.gov](mailto:Coleman.Sam@epa.gov)>  
**Date:** September 1, 2017 at 10:08:15 AM CDT  
**To:** "Gray, David" <[gray.david@epa.gov](mailto:gray.david@epa.gov)>, "Rush, Randall" <[Rush.Randall@epa.gov](mailto:Rush.Randall@epa.gov)>, "Saunders, Jerry" <[Saunders.Jerry@epa.gov](mailto:Saunders.Jerry@epa.gov)>, "Gilrein, Stephen" <[gilrein.stephen@epa.gov](mailto:gilrein.stephen@epa.gov)>, "Carroll, Craig" <[Carroll.Craig@epa.gov](mailto:Carroll.Craig@epa.gov)>, "Crossland, Ronnie" <[Crossland.Ronnie@epa.gov](mailto:Crossland.Ronnie@epa.gov)>, "Edlund, Carl" <[Edlund.Carl@epa.gov](mailto:Edlund.Carl@epa.gov)>  
**Subject:** RE: From TX Dept of Ag: Salinity test kits or instrumentation request

Please make this happen.  
Samuel Coleman, P.E.  
Deputy Regional Administrator  
EPA Region 6  
[coleman.sam@epa.gov](mailto:coleman.sam@epa.gov)  
214.665.2100 Ofc  
214.665.3110 Direct  
214.789.2016 Cell

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**From:** Gray, David  
**Sent:** Friday, September 01, 2017 9:41 AM  
**To:** Rush, Randall <[Rush.Randall@epa.gov](mailto:Rush.Randall@epa.gov)>; Saunders, Jerry <[Saunders.Jerry@epa.gov](mailto:Saunders.Jerry@epa.gov)>; Gilrein, Stephen <[gilrein.stephen@epa.gov](mailto:gilrein.stephen@epa.gov)>; Carroll, Craig <[Carroll.Craig@epa.gov](mailto:Carroll.Craig@epa.gov)>; Crossland, Ronnie <[Crossland.Ronnie@epa.gov](mailto:Crossland.Ronnie@epa.gov)>; Edlund, Carl <[Edlund.Carl@epa.gov](mailto:Edlund.Carl@epa.gov)>; Coleman, Sam <[Coleman.Sam@epa.gov](mailto:Coleman.Sam@epa.gov)>  
**Subject:** RE: From TX Dept of Ag: Salinity test kits or instrumentation request

## READ

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**From:** Rush, Randall  
**Sent:** Friday, September 01, 2017 9:40 AM  
**To:** Gray, David <[gray.david@epa.gov](mailto:gray.david@epa.gov)>; Saunders, Jerry <[Saunders.Jerry@epa.gov](mailto:Saunders.Jerry@epa.gov)>; Gilrein, Stephen <[gilrein.stephen@epa.gov](mailto:gilrein.stephen@epa.gov)>  
**Subject:** From TX Dept of Ag: Salinity test kits or instrumentation request  
Below we got a request from TX Dept of Ag on behalf of State Operations Center and THAC for salinity probes. They need these to assist ranchers in Hurricane impact zone for determining if livestock drinking water resources are safe for use.  
I figure the ones R6 have are in use in Bird Creek. So I'm just checking with 6EN to see if that remains the case.

I did point TDA to Texas AgriLife and TCEQ because in past grant years we had provided monitoring equipment to those organizations that can be borrowed if not already deployed.

Randy Rush  
Policy Advisor - Agriculture  
U.S. EPA - Region 6  
1445 Ross Avenue (6WQ)  
Dallas, TX 75202  
214-665-7107  
[rush.randall@epa.gov](mailto:rush.randall@epa.gov)

*"Ua Mau ke Ea o ka 'Āina i ka Pono"*

**The life of the land is perpetuated in righteousness**

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**From:** Rush, Randall

**Sent:** Friday, September 01, 2017 9:15 AM

**To:** 'David Villarreal' <[David.Villarreal@TexasAgriculture.gov](mailto:David.Villarreal@TexasAgriculture.gov)>; Weiler, Gregory <[weiler.gregory@epa.gov](mailto:weiler.gregory@epa.gov)>; Foster, Nichole <[Foster.Nichole@epa.gov](mailto:Foster.Nichole@epa.gov)>; Bira, Mike <[Bira.Mike@epa.gov](mailto:Bira.Mike@epa.gov)>; Thilsted, Eugene <[Thilsted.Eugene@epa.gov](mailto:Thilsted.Eugene@epa.gov)>

**Cc:** Dale Scott <[Dale.Scott@TexasAgriculture.gov](mailto:Dale.Scott@TexasAgriculture.gov)>; Kerry Niemann <[Kerry.Niemann@tceq.texas.gov](mailto:Kerry.Niemann@tceq.texas.gov)>; Lucas Gregory <[LFGregory@ag.tamu.edu](mailto:LFGregory@ag.tamu.edu)>; Hosch, Claudia <[hosch.claudia@epa.gov](mailto:hosch.claudia@epa.gov)>

**Subject:** RE: Salinity test kits or instrumentation

You as well David.

It has occurred to me we had provided water quality monitoring equipment to TAMU, Texas AgriLife, for monitoring projects they implement but likely these are sysco samplers rather than salinity probes. Plus not sure if any are not already used or perhaps lost in the hurricane aftermath. I have copied our POC for AgriLife, Lucas Gregory, in case he has further information. We have done the same with TCEQ. So I have copied our POC for TCEQ, Kerry Niemann.

Lucas and Kerry, TDA is looking for salinity probes for use to determine if surface water resources or tanks can be used for agricultural purposes & livestock in the hurricane impact zone.

Randy Rush  
Policy Advisor - Agriculture  
U.S. EPA - Region 6  
1445 Ross Avenue (6WQ)  
Dallas, TX 75202  
214-665-7107  
[rush.randall@epa.gov](mailto:rush.randall@epa.gov)

*"Ua Mau ke Ea o ka 'Āina i ka Pono"*

**The life of the land is perpetuated in righteousness**

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**From:** David Villarreal [<mailto:David.Villarreal@TexasAgriculture.gov>]

**Sent:** Friday, September 01, 2017 7:13 AM

**To:** Rush, Randall <[Rush.Randall@epa.gov](mailto:Rush.Randall@epa.gov)>; Weiler, Gregory <[weiler.gregory@epa.gov](mailto:weiler.gregory@epa.gov)>; Foster, Nichole <[Foster.Nichole@epa.gov](mailto:Foster.Nichole@epa.gov)>; Bira, Mike <[Bira.Mike@epa.gov](mailto:Bira.Mike@epa.gov)>; Thilsted, Eugene <[Thilsted.Eugene@epa.gov](mailto:Thilsted.Eugene@epa.gov)>

**Cc:** Dale Scott <[Dale.Scott@TexasAgriculture.gov](mailto:Dale.Scott@TexasAgriculture.gov)>

**Subject:** RE: Salinity test kits or instrumentation

Thanks Randy and Greg and everyone. We appreciate all the help and info.....have a restful long weekend.....David

David T. Villarreal, Ph.D.  
Environmental Specialist  
Environmental Toxicology, Endangered Species,  
Agricultural Microbiology and Water Quality  
Environmental and Biosecurity Program  
Texas Department of Agriculture  
[david.villarreal@texasagriculture.gov](mailto:david.villarreal@texasagriculture.gov)

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**From:** Rush, Randall [[Rush.Randall@epa.gov](mailto:Rush.Randall@epa.gov)]  
**Sent:** Thursday, August 31, 2017 3:16 PM  
**To:** Weiler, Gregory; Foster, Nichole; Bira, Mike; Thilsted, Eugene  
**Cc:** Dale Scott; David Villarreal  
**Subject:** RE: Salinity test kits or instrumentation

David and Dale,  
I had given a short briefing to our Regional senior leadership yesterday on ag status post hurricane, based on reports I had gathered. They asked I keep our emergency response team informed. I will forward your request to the lead on-scene coordinator for EPA's emergency response. I do know all the salinity kits we had were being deployed in the Bird Creek watershed in Osage County Oklahoma for follow-up data gathering from incidents up there that were affecting watering resources for range cattle.

Randy Rush  
Policy Advisor - Agriculture  
U.S. EPA - Region 6  
1445 Ross Avenue (6WQ)  
Dallas, TX 75202  
214-665-7107  
[rush.randall@epa.gov](mailto:rush.randall@epa.gov)

"*Ua Mau ke Ea o ka 'Āina i ka Pono* "

**The life of the land is perpetuated in righteousness**

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**From:** Weiler, Gregory  
**Sent:** Thursday, August 31, 2017 2:51 PM  
**To:** Foster, Nichole <[Foster.Nichole@epa.gov](mailto:Foster.Nichole@epa.gov)>; Bira, Mike <[Bira.Mike@epa.gov](mailto:Bira.Mike@epa.gov)>; Rush, Randall <[Rush.Randall@epa.gov](mailto:Rush.Randall@epa.gov)>; Thilsted, Eugene <[Thilsted.Eugene@epa.gov](mailto:Thilsted.Eugene@epa.gov)>  
**Cc:** Dale Scott <[Dale.Scott@TexasAgriculture.gov](mailto:Dale.Scott@TexasAgriculture.gov)>; David Villarreal <[David.Villarreal@TexasAgriculture.gov](mailto:David.Villarreal@TexasAgriculture.gov)>  
**Subject:** FW: Salinity test kits or instrumentation  
Any one know who can help in this effort below?? Let David Villareal know at TDA if you can....thanks.....  
Greg Weiler  
US EPA Region 6 Pesticides Section  
1445 Ross Avenue, Dallas, Texas 75202  
Phone: 214-665-7564.  
Email: [weiler.gregory@epa.gov](mailto:weiler.gregory@epa.gov)

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**From:** David Villarreal [[mailto:David.Villarreal@TexasAgriculture.gov](mailto:mailto:David.Villarreal@TexasAgriculture.gov)]  
**Sent:** Thursday, August 31, 2017 10:22 AM  
**To:** Lynne Fahlquist <[lfahlqst@usgs.gov](mailto:lfahlqst@usgs.gov)>; Weiler, Gregory <[weiler.gregory@epa.gov](mailto:weiler.gregory@epa.gov)>; Harper, Chris <[chris\\_harper@fws.gov](mailto:chris_harper@fws.gov)> <[chris\\_harper@fws.gov](mailto:chris_harper@fws.gov)>; Michael Bodenchuk <[michael.j.bodenchuk@aphis.usda.gov](mailto:michael.j.bodenchuk@aphis.usda.gov)>  
**Subject:** Salinity test kits or instrumentation  
Texas A&M and the TAHC need field testing of waters to make sure they are safe for livestock because of Hurricane Harvey. We are working on this internally, but wanted to extend the request in case one of your agencies can help as well. Please let me know ASAP. David

*David T. Villarreal, Ph.D.*  
*Environmental Specialist*  
*Environmental Toxicology, Endangered Species,*  
*Agricultural Microbiology and Water Quality*  
*Environmental and Biosecurity Program*  
*Texas Department of Agriculture*  
[david.villarreal@texasagriculture.gov](mailto:david.villarreal@texasagriculture.gov)



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**From:** Hairgrove Sr, Thomas B [<mailto:tbhairgrove@tamu.edu>]

**Sent:** Thursday, August 31, 2017 10:06 AM

**To:** David Villarreal; Joe Paschal; Hairgrove Sr, Thomas B

**Subject:** Salinity test kits

David,

This is test to make sure have each other's emails.

I have copied Dr Paschal

Tom

Thomas B. Hairgrove

Associate Professor and Extension Specialist

Texas A&M AgriLife Extension Service

241 D Kleberg, TAMU 2471

College Station, Texas 77843

Office 979 458 3216

Cell 979 571 9833